



VRLA Rechargeable Battery

HR5.5-12 (HR5.5-12FR)



FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Low self-discharge rate, lower than 3% capacity loss per month
- Can be used in any orientation(excluding used inverted)
- The battery is designed for high rate usage
- The power density at 5 min~15min discharging rate is 30% higher than BP series

APPLICATION

- UPS
- Toy-Cars
- Power Packs
- Emergency Lights
- Fishing Lights



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	5.0Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	1800g(3.97lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	$\leq 27m\Omega$ (Fully Charged)
Max. Discharge Current	75 A (5 sec.)
Max. Charge Current	1.5 A
Operating Temperature Range	Charge : 0°C~40°C(32°F~104°F) Discharge : -20°C~50°C(-4°F~122°F) Storage. : -20°C~40°C(-4°F~104°F)
Container Material	ABS(UL94-HB, UL94-V0 is optional)

ISO 9001



ISO14001



UL



CE



- IEC61056
- JIS C 8702
- GB/T 19639

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

90±1.5 (3.54±0.06)

Width

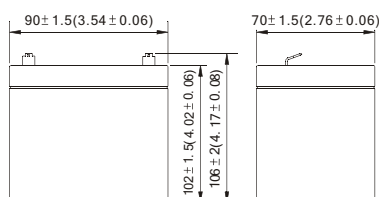
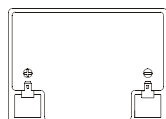
70±1.5 (2.76±0.06)

Container Height

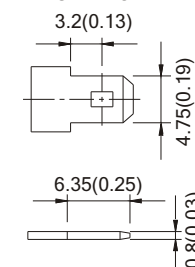
102±1.5 (4.02±0.06)

Total Height

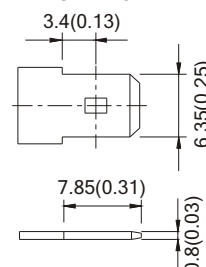
106±2.0 (4.17±0.08)



Terminal T1



Terminal T2



Constant power discharge characteristics at 25 °C/77 °F

Unit: W

F.V. (V/cell)	Discharge Time	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V		225.5	154.0	111.5	95.2	72.4	55.0	46.0	40.5	22.3
1.70V		269.5	171.9	121.3	100.8	75.4	57.1	47.4	41.4	22.7
1.60V		288.8	180.8	126.8	104.5	77.0	58.4	48.4	42.1	23.1
1.50V		297.0	184.3	129.6	106.2	78.0	59.2	49.0	42.5	23.2
1.40V		302.5	186.8	131.0	107.1	78.5	59.5	49.4	42.8	23.3
1.30V		305.3	188.4	132.0	107.8	79.0	59.8	49.6	42.9	23.3

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

F.V. (V/cell)	Discharge Time	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V		20.13	13.51	9.65	8.16	6.14	4.63	3.85	3.38	1.86
1.70V		24.50	15.08	10.49	8.64	6.39	4.80	3.97	3.45	1.89
1.60V		26.25	15.86	10.97	8.96	6.53	4.91	4.05	3.51	1.93
1.50V		27.00	16.17	11.21	9.11	6.61	4.98	4.10	3.54	1.93
1.40V		27.50	16.39	11.33	9.19	6.65	5.00	4.13	3.57	1.94
1.30V		27.75	16.53	11.42	9.25	6.69	5.03	4.15	3.58	1.94

All data shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.